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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/796,311 | 03/08/2004 | Ren-Kang Chiou | SUP-002-1 | 2086 |
| 22888 | 7590 | 06/20/2006 | | EXAMINER |
| | | | | BUI, HUNG S |
| | | | ART UNIT | PAPER NUMBER |
| | | | | 2841 |

DATE MAILED: 06/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|------------------------------|--------------------------------|-------------------------|--|
| Office Action Summary | Application No. | Applicant(s) | |
| | 10/796,311 | CHIOU ET AL. | |
| | Examiner Hung S. Bui | Art Unit 2841 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 28 March 2006.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) 11-13 and 26-28 is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-3, 14-17, 29 and 30 is/are rejected.
- 7) Claim(s) 4-10 and 17-25 is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 28 March 2004 is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date: _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>11/09/2004</u> . | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Election/Restrictions

1. Claims 11-13 and 26-28 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species invention, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 03/28/2006.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-3, 14-16 and 29-30 are rejected under 35 U.S.C. 102(b) as being anticipated by Francis [US 6,128194].

Regarding claims 1 and 14, Francis discloses a PC card frame kit (figure 2) for housing a printed circuit board assembly (PCBA) including a printed circuit board (22) and a connector (24) mounted on a back edge of the printed circuit board, the frame kit comprising:

- a frame including first and second parallel side rails (86, 88) and an end rail extending between first ends of the first and second side rails (figure 2);

- wherein the frame defines an open end (figure 2) located at second ends of the first and second side rails; and
- wherein the first and second side rails define a longitudinal slot (figure 2) for slidably receiving the printed circuit board of the PCBA.

Regarding claims 2 and 15, Francis discloses each of the first and second side rails defining a side portion of the longitudinal slot for receiving side edges of the printed circuit board when the printed circuit board is fully inserted into the frame (figures 1-2).

Regarding claims 3 and 16, Francis discloses the end rail defining an end portion of the longitudinal slot for receiving a front edge of the printed circuit board when the printed circuit board is fully inserted into the frame (figures 1-2).

Regarding claims 29-30, the claimed method steps are inherit in the product structures.

Allowable Subject Matter

4. Claims 4-10 and 17-25 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
5. The following is a statement of reasons for the indication of allowable subject matter: The cited references in combination with the prior art of records fail to teach or suggest, the printed circuit board package have having a frame to receive a printed circuit board by sliding the printed circuit board therein, wherein the printed circuit board frame includes a elongated guide/rail/slot and a longitudinal groove being created

therein. Although, Kilmer et al. [US 5,497,297] disclose a printed circuit board frame having a longitudinal guide/slot/rail and a groove to hold a printed circuit board, Kilmer et al. in combination with the prior art fail to teach the printed circuit board frame received the printed circuit board by sliding into the elongated direction.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Kilmer et al. [US 5,497,297] disclose a frame and cover structure for integrated circuit card;
- Marsh et al. [US 5,330,360] disclose a memory card assembly;
- Simmons et al. [5,339,222] disclose shielded printed circuit card;
- Ge et al. [US 7,026,546] disclose a printed circuit card kit;
- Chen [US 6,353,534] disclose a network interface card frame; and

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hung S. Bui whose telephone number is (571) 272-2102. The examiner can normally be reached on Monday-Friday 8:30AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamand Cuneo can be reached on (571) 272-1957. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2841

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

6/7/06

Hung Bui
Art Unit 2841



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